

## MEMO

TO: District Manager

FROM: Director of Operations

SUBJECT: OPERATIONS DEPARTMENT STATUS REPORT  
MAY 2019

DATE: JUNE 20, 2019

### RECOMMENDATION:

It is recommended that the District Manager review and file the Operations Department Project Status Report for the month of May 2019.

### BACKGROUND:

#### BLUE TANK REPLACEMENT

District Staff completed the plumping of the tank to the distribution system. After plumbing was completed the tank was disinfected and sampled to be put online. Approval was received from the State Water Resources Control Board and the tank is now back online and full fire flow has been restored in the Manana Woods area.

During routine inspection it was discovered that the Districts Blue Tank in Manana Woods has experienced extensive corrosion to the upper ring of staves, roof and internal roof structure system. In addition to corrosion the tank experienced buckling damage from the 1989 Loma Prieta Earthquake.

#### PROBATION TANK REPLACEMENT

The contractor is in full construction on the replacement of the Probation tank. The contractor completed grading and road repairs for access of heavy equipment to the tank site. Grading, digging and compacting of the tank site is in process. Construction is expected to continue until October 2019.

The Old 100,000 gallon redwood tank at the probation site was in very poor condition and was leaking towards the end of its life at an estimated 35-40 gallons per minute. Temporary poly tanks were installed by District staff in the summer of 2018. The system is running on minimal storage through construction. The residents of this area have been cautioned to conserve water during this time.

## PASO WELL #8

The new Paso Well #8 construction continues. Well head design has been approved by the State Water Resources Control Board. The District has been working with the concrete contractor scheduling construction of the Well head pad and chlorination building along with the Well drilling contractor for welding of the Well flange.

Paso Well #8 is a replacement to Paso Well #6 that began splitting in its casing in 2015, which was allowing sand to overcome the pump and motor. Many attempts to fix and seal the casing on the Well were unsuccessful leading to full replacement of the Well.

## SCADA (Supervisory control and data acquisition) UPGRADE

In May 2019 the new SCADA system is live and operating. The SCADA system will continue to be adjusted and tuned. With the new SCADA system up and operational District staff continues adjusting and making changes to the system through the new upgraded system.

The District is 100% done with conversion of the new SCADA and HMI system. Our equipment and software were out of date and had been crashing needing restarting and rebooting several times a month, leading to this upgrade. District staff has been working with an outside contractor that was contracted to do the upgrade and replacement.

## FELTON WATER SYSTEM WATER METER REPLACEMENT

Domestic water meters are being replaced as existing meters have reached their life expectancy. Meters are being changed to the new Beacon "Eye on Water" system that will allow customers to monitor their water usage over the internet.

## MAINTENANCE ISSUES

### Main Line Repairs

- Replaced 30 feet of 4" deteriorated main line on Russell St. in Felton
- Repaired a 4" HDPE main line leaking 25 gpm off Jackson Ave. Ben Lomond
- 15+/- Mainline/Service Line Leaks Were Repaired

### System Wide

- Replaced a broken valve box at Hwy 9 and Pacific Ave. Brookdale
- Plumbed in three meters with deteriorating service lines Ben Lomond
- Plumbing & installation of spring loaded check valves at Felton Heights
- Booster
- Install of a new service at 8131 East Zayante

Installation and disinfection of a 500 gallon wet well for pine booster  
Removed all plumbing from Felton Acres redwood tank  
Removed old deteriorated chlorination building at the Paso Well 8 site  
Removal of District records, parts, & equipment from Quail Facility Building  
Quarterly Tank Inspections system wide  
Full main line replacements on Creek Dr. and Prima Vera Rd.

James Furtado

Director of Operations

# SAN LORENZO VALLEY WATER DISTRICT

## PRODUCTION COMPARRISON

Source	May-19	April-19	May-13	Difference This Year To 2013
<b>North System</b>				
<b>Surface Water Sources</b>				
Foreman Creek	20,706,672	34,389,391	21,521,000	
Peavine Creek + Hydro	5,037,060	0	4,149,000	
Clear Creek	6,141,161	541,565	0	
Sweetwater Creek	4,094,107	361,044	0	
<b>Sub-Total (Streams)</b>	<b>35,979,000</b>	<b>35,292,000</b>	<b>25,670,000</b>	40.16%
<b>Wells (North)</b>				
Olympia No. 2	-	-	4,254,000	
Olympia No. 3	-	-	8,646,000	
Quail Well No. 4-A	63,000	20,000	14,783,000	
Quail Well No. 5-A	5,700	21,300	1,985,200	
<b>Sub Total North Wells</b>	<b>68,700</b>	<b>41,300</b>	<b>29,668,200</b>	-99.77%
<b>South System Wells</b>				
Pasatiempo 5A	5,975,200	2,572,400	N/A	
Pasatiempo 6	-	-	9,548,000	
Pasatiempo 7	2,382,000	2,872,000	3,016,000	
<b>Sub Total Pasatiempo Wells</b>	<b>8,357,200</b>	<b>5,444,400</b>	<b>12,564,000</b>	-33.48%
<b>North South All Sources Combined</b>	<b>44,404,900</b>	<b>40,777,700</b>	<b>67,902,200</b>	-34.60%
<b>Felton System - Surface Water</b>				
Fall Creek	3,990,780	4,261,912	10,571,789	
Bennett Spring	3,494,656	2,635,952	0	
Bull 1 & 2	1,587,256	1,378,564	0	
<b>Total Felton System Sources</b>	<b>9,072,692</b>	<b>8,276,428</b>	<b>10,571,789</b>	-14.18%
<b>Manana Woods System</b>				
Well 1	-	-	0	
<b>Total Manana Woods Sources</b>	<b>-</b>	<b>-</b>	<b>0</b>	
<b>Sub - Total Production</b>				
<b>North / Felton / Manana</b>	<b>53,477,592</b>	<b>49,054,128</b>	<b>78,473,989</b>	-31.85%
<b>Surface</b>	<b>45,051,692</b>	<b>43,568,428</b>	<b>36,241,789</b>	24.31%
<b>Wells</b>	<b>8,425,900</b>	<b>5,485,700</b>	<b>42,232,200</b>	-80.05%
<b>Total Surface Water Percentage</b>	<b>84.24</b>	<b>88.82</b>	<b>46.18</b>	82.41%
<b>Total Wells Percentage</b>	<b>15.76</b>	<b>11.18</b>	<b>53.82</b>	-70.72%

**SAN LORENZO VALLEY WATER DISTRICT  
PRODUCTION BY SYSTEM  
+/- INTERTIES  
May 2019**

North System All Sources	<u>44,404,900</u>
Interties IN +	<u>263</u>
Interties OUT -	<u>2,665,961</u>
<b>TOTAL NORTH SYSTEM</b>	<b><u>41,739,202</u></b>
Felton Water system All Sources	<u>9,072,692</u>
Interties IN +	<u>0</u>
Interties OUT -	<u>0</u>
<b>TOTAL FELTON SYSTEM</b>	<b><u>9,072,692</u></b>
Manana Woods System	
Manana Woods Well 1	<u>0</u>
Interties IN +	<u>0</u>
<b>TOTAL MANANA WOODS</b>	<b><u>0</u></b>

**SAN LORENZO VALLEY WATER DISTRICT**  
**INTERTIE USAGE**  
**May 2019**

**INTERTIE 2**

SLVWD to SVWD 0

SVWD to SLVWD 0

**INTERTIE 3**

SLV SOUTH to SLV NORTH 263

SLV NORTH to SLV SOUTH 291,241

**INTERTIE 4**

SLVWD to MHWD 0

MHWD to SLVWD 0

**INTERTIE 6**

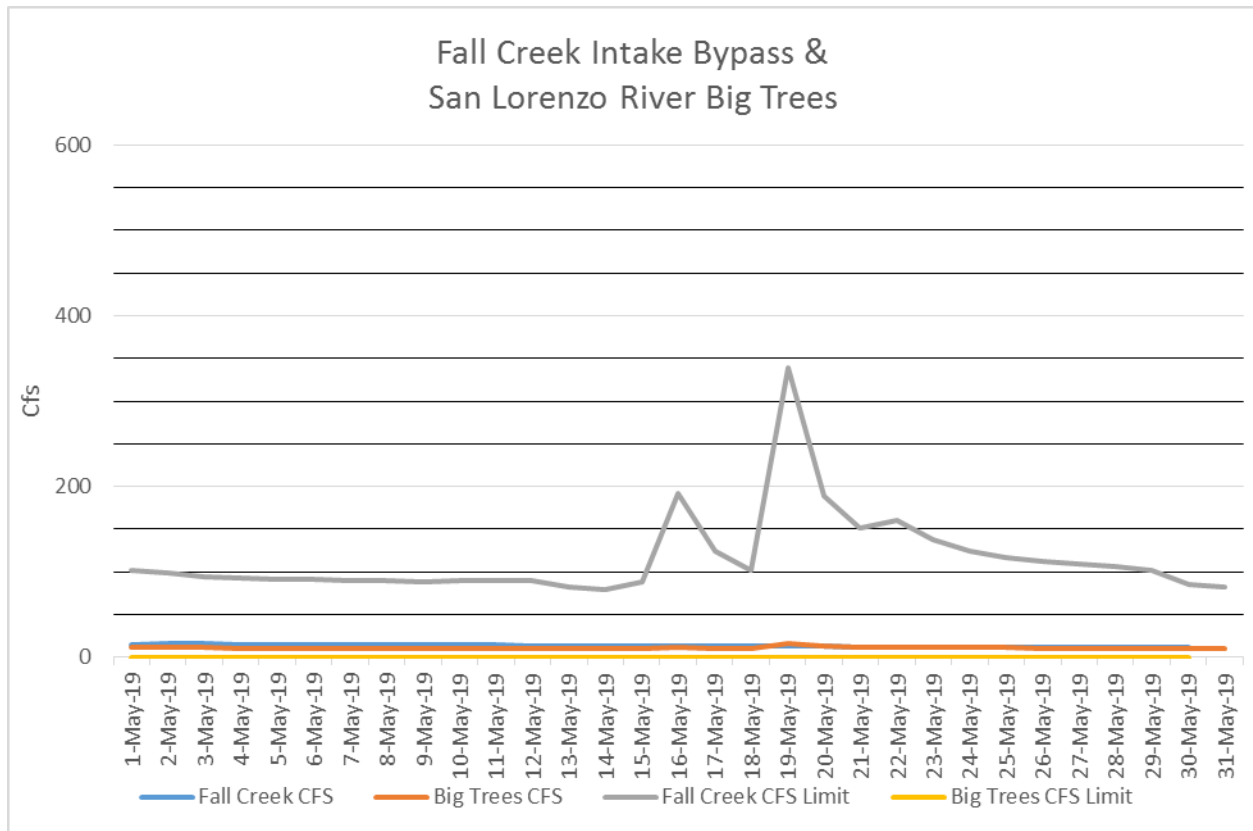
SLV NORTH to SLV FELTON -

SLV FELTON to SLV NORTH -

**LOMPICO INTERTIE**

SLV NORTH to LOMPICO 2,374,720

## Fall Creek Intake May 2019



### Normal Rainfall Fall Creek Intake Bypass Requirements

April 1 through October 31                      1.0 cubic feet per second

November 1 through March 31                      1.5 cubic feet per second

### Dry Conditions Fall Creek Intake Bypass Requirements

April 1 through October 31                      0.5 cubic feet per second

November 1 through March 31                      0.75 cubic feet per second

Number of Days in month 0.5 cfs or below, ZERO days

### *San Lorenzo River USGS Big Trees Flow Requirements*

September                      11 cubic feet per second

October                      26 cubic feet per second

November 1 through May 31                      21 cubic feet per second

June - August                      No Requirements

## Fall Creek Intake May 2019

For the protection of fish and wildlife, during the period: (a) April 1 through October 31 bypass a minimum of 0.5 cfs; (b) November 1 through March 31 bypass a minimum of 1.5 cfs past the Fall Creek point of diversion. The natural streamflow shall be bypassed whenever it is less than 1.5 cfs; provided, however, that during a dry year, the bypass requirement shall be reduced from 1.5 to 0.75 cfs. A dry year is defined on a monthly basis of cumulative runoff beginning October 1 of each season in the San Lorenzo River at the USGS gage at Big Trees. These runoff figures are based on approximately 50 percent of normal runoff as the dividing level between normal and dry year runoff and are as follows:

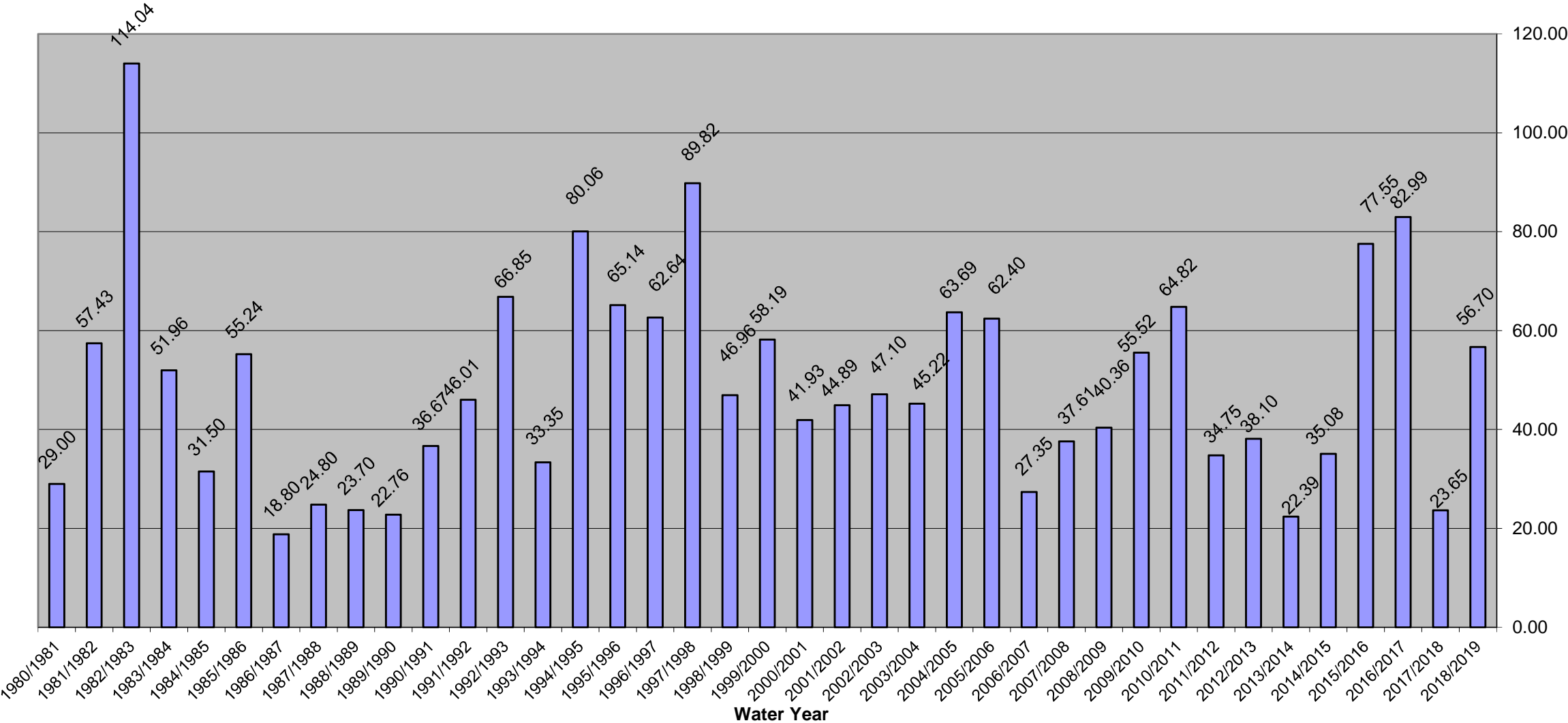
- November 1 for the month of October 500 af
- December 1 for October-November, inclusive 1,500 af
- January 1 for October-December, inclusive 5,000 af
- February 1 for October-January, inclusive 12,500 af
- March 1 for October-February, inclusive 26,500 af



Fall Creek Weir Measurement											
	Month:	May		Year:	2019	Big Trees > 26,500 Acre-ft Oct-Feb Normal Year			Big Trees <26,500 Acre-ft Oct-Feb Dry Year		
								<input checked="" type="checkbox"/>			<input type="checkbox"/>
Date	Time	Initials	Pump #	Fall Cr. GPM into Kirby plant	Weir Board Height (inches)	Fall Creek Bypass (CFS)	Big Trees Bypass (CFS)	Rainfall (Felton gauge)	Met Fall Cr, Bypass Requirement: Normal Year April 1 - Oct 31 1.0 cfs; Nov 1 - March 31 1.5 cfs Dry Year April 1 - Oct 31 0.5 cfs Nov. 1 - March 31 0.75 cfs (yes/no)	Met Big Trees Requirement Nov-May 20cfs Sept 10 cfs Oct 25 cfs (yes/no)	Notes
1	1010	SS	1	90	25	11.22	101	0	Yes	Yes	
2	0730	HO	1	94	25	11.03	98.3	0	Yes	Yes	Switched FC Pumps
3	0800	HO	2	86	25	10.90	94.8	0	Yes	Yes	
4	1030	JG	2	98	25	10.86	92.5	0	Yes	Yes	
5	1230	JG	2	158	25	10.64	91.3	0	Yes	Yes	
6	0815	SS	2	82	25	10.79	91.3	0	Yes	Yes	
7	0800	SS	2	84	25	10.69	90.2	0	Yes	Yes	
8	0745	SS	2	95	25	10.59	89.1	0	Yes	Yes	
9	0745	HO	2	96	25	10.52	88.0	0	Yes	Yes	
10	0745	SS	2	95	25	10.46	89.0	0	Yes	Yes	
11	0945	JT	2	91	25	10.33	89.1	0	Yes	Yes	
12	0715	JT	2	131	25	10.19	89.1	0	Yes	Yes	
13	0800	SS	2	105	25	10.36	81.5	0	Yes	Yes	
14	0745	SS	2	98	25	9.90	79.4	0	Yes	Yes	
15	0945	HO	2	87	25	9.94	88.0	0.43	Yes	Yes	
16	1115	SS	2	88	25	11.77	192	0.88	Yes	Yes	
17	0740	SS	2	86	25	10.6	124	0.16	Yes	Yes	
18	0740	KS	2	80	25	10.44	102	0	Yes	Yes	
19	0800	KS	2	58	25	15.46	339	2.20	Yes	Yes	
20	0845	HO	2	80	25	13.06	189	0.02	Yes	Yes	
21	0750	SS	2	67	25	12.14	152	0.16	Yes	Yes	
22	0930	HO	2	90	25	11.89	160	0.14	Yes	Yes	
23	0800	SS	2	64	25	11.3	138	0	Yes	Yes	
24	0930	HO	2	60	25	11.22	125	0.02	Yes	Yes	
25	0815	HO	2	52	25	11.05	117	0	Yes	Yes	
26	0830	HO	2	68	25	10.85	113	0.08	Yes	Yes	
27	0945	HO	2	67	25	10.68	109	0.01	Yes	Yes	
28	0945	TH	2	75	25	10.48	106	0	Yes	Yes	

29	0940	SS	2	79	25	10.3	101	0	Yes	Yes	
30	0730	SS	2	82	25	10.13	84.7	0	Yes	Yes	
31	0800	SS	2	72	25	10.04	81.5	0	Yes	Yes	

San Lorenzo Valley Water District  
Annual Rainfall History Graph



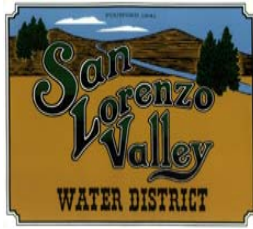
**SAN LORENZO VALLEY WATER DISTRICT**  
**MONTHLY RAINFALL DATA SUMMARY**  
**DATA COLLECTED AT SLVWD OFFICE 13060 HIGHWAY 9, BOULDER CREEK**

**WATER YEAR 2018/2019**

<u>Date</u>	<u>Oct-18</u>	<u>Nov-18</u>	<u>Dec-18</u>	<u>Jan-19</u>	<u>Feb-19</u>	<u>Mar-19</u>	<u>Apr-19</u>	<u>May-19</u>	<u>Jun-19</u>	<u>Jul-19</u>	<u>Aug-19</u>	<u>Sep-19</u>	<u>Total</u>
1	0.00	0.00	0.18	0.00	0.78	0.06	0.03	0.00	0.00	0.00	0.00	0.00	1.05
2	0.00	0.00	0.01	0.00	2.94	1.24	0.33	0.00	0.00	0.00	0.00	0.00	4.52
3	0.00	0.00	0.00	0.00	1.15	0.09	0.00	0.00	0.00	0.00	0.00	0.00	1.24
4	0.01	0.00	0.24	0.00	1.76	0.01	0.00	0.00	0.00	0.00	0.00	0.00	2.02
5	0.00	0.00	0.26	1.39	0.33	0.51	0.33	0.00	0.00	0.00	0.00	0.00	2.82
6	0.00	0.00	0.00	4.51	0.01	2.21	0.03	0.01	0.00	0.00	0.00	0.00	6.77
7	0.00	0.00	0.01	0.00	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.09
8	0.00	0.00	0.00	0.23	0.74	0.06	0.00	0.00	0.00	0.00	0.00	0.00	1.03
9	0.00	0.00	0.01	0.62	0.58	0.69	0.00	0.00	0.00	0.00	0.00	0.00	1.90
10	0.00	0.00	0.00	0.00	0.38	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.73
11	0.00	0.00	0.01	0.47	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50
12	0.00	0.00	0.00	0.01	0.26	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.28
13	0.00	0.00	0.01	0.00	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.61
14	0.00	0.00	0.00	0.15	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63
15	0.00	0.00	0.01	2.44	0.65	0.00	0.00	1.80	0.00	0.00	0.00	0.00	4.90
16	0.00	0.00	1.77	2.41	0.49	0.01	0.01	0.38	0.00	0.00	0.00	0.00	5.07
17	0.00	0.00	0.20	0.48	0.17	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.86
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	1.03
19	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.59	0.00	0.00	0.00	0.00	0.62
20	0.00	0.00	0.00	0.47	0.01	0.96	0.00	0.00	0.00	0.00	0.00	0.00	1.44
21	0.00	1.72	0.01	0.02	0.00	0.01	0.00	0.29	0.00	0.00	0.00	0.00	2.05
22	0.00	0.99	0.01	0.01	0.00	0.09	0.00	0.06	0.00	0.00	0.00	0.00	1.16
23	0.00	0.82	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	1.16
24	0.00	0.04	0.55	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60
25	0.00	0.00	0.08	0.01	0.01	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.78
26	0.00	0.00	0.01	0.01	1.84	0.12	0.00	0.12	0.00	0.00	0.00	0.00	2.10
27	0.00	0.26	0.00	0.00	1.97	0.64	0.00	0.00	0.00	0.00	0.00	0.00	2.87
28	0.00	1.72	0.00	0.00	<u>0.02</u>	0.11	0.00	0.00	0.00	0.00	0.00	0.00	1.85
29	0.00	1.33	0.00	0.00		0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.34
30	0.00	<u>0.00</u>	0.00	0.23		0.00	<u>0.00</u>	0.00	0.00	0.00	0.00	<u>0.00</u>	0.23
31	<u>0.00</u>		<u>0.00</u>	<u>0.45</u>		<u>0.00</u>		0.00		<u>0.00</u>	<u>0.00</u>		<u>0.45</u>
<b>TOTAL</b>	<b>0.01</b>	<b>6.88</b>	<b>3.37</b>	<b>13.92</b>	<b>19.21</b>	<b>8.29</b>	<b>0.73</b>	<b>4.29</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>56.70</b>

**WATER YEAR 2017/2018**

<u>Date</u>	<u>Oct-17</u>	<u>Nov-17</u>	<u>Dec-17</u>	<u>Jan-18</u>	<u>Feb-18</u>	<u>Mar-18</u>	<u>Apr-18</u>	<u>May-18</u>	<u>Jun-18</u>	<u>Jul-18</u>	<u>Aug-18</u>	<u>Sep-18</u>	<u>Total</u>
1	0.00	0.00	0.01	0.00	0.01	2.44	0.00	0.00	0.00	0.00	0.00	0.00	2.46
2	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.55
3	0.00	0.15	0.03	0.40	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.77
4	0.00	0.03	0.00	0.20	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.24
5	0.00	0.00	0.00	0.38	0.01	0.01	0.30	0.00	0.00	0.00	0.00	0.00	0.70
6	0.00	0.01	0.00	0.10	0.00	0.00	1.26	0.00	0.00	0.00	0.00	0.00	1.37
7	0.00	0.00	0.01	0.01	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.88
8	0.00	0.58	0.00	3.66	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	4.28
9	0.00	0.79	0.01	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41
10	0.00	0.06	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
11	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.25
12	0.00	0.00	0.01	0.00	0.00	0.56	0.08	0.00	0.00	0.00	0.00	0.00	0.65
13	0.00	0.08	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.98
14	0.00	0.00	0.01	0.01	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.32
15	0.00	0.12	0.00	0.01	0.00	0.67	0.08	0.00	0.00	0.00	0.00	0.00	0.88
16	0.00	2.46	0.01	0.00	0.00	0.27	0.25	0.00	0.00	0.00	0.00	0.00	2.99
17	0.00	0.02	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.15
18	0.00	0.01	0.00	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
19	0.05	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
20	0.16	0.00	0.14	0.01	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.64
21	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
22	0.00	0.01	0.01	0.57	0.06	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.98
23	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04
24	0.00	0.00	0.00	0.59	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.60
25	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.11
26	0.00	0.76	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
27	0.00	0.45	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
28	0.00	0.01	0.00	0.01	<u>0.43</u>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45
29	0.00	0.00	0.01	0.01		0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.03
30	0.00	<u>0.01</u>	0.01	0.00		0.00	<u>0.00</u>	0.00	0.00	0.00	0.00	<u>0.00</u>	0.02
31	<u>0.00</u>		<u>0.00</u>	<u>0.00</u>		<u>0.00</u>		0.00		<u>0.00</u>	<u>0.00</u>		<u>0.00</u>
<b>TOTAL</b>	<b>0.21</b>	<b>5.57</b>	<b>0.29</b>	<b>6.81</b>	<b>0.86</b>	<b>6.78</b>	<b>3.09</b>	<b>0.04</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>23.65</b>

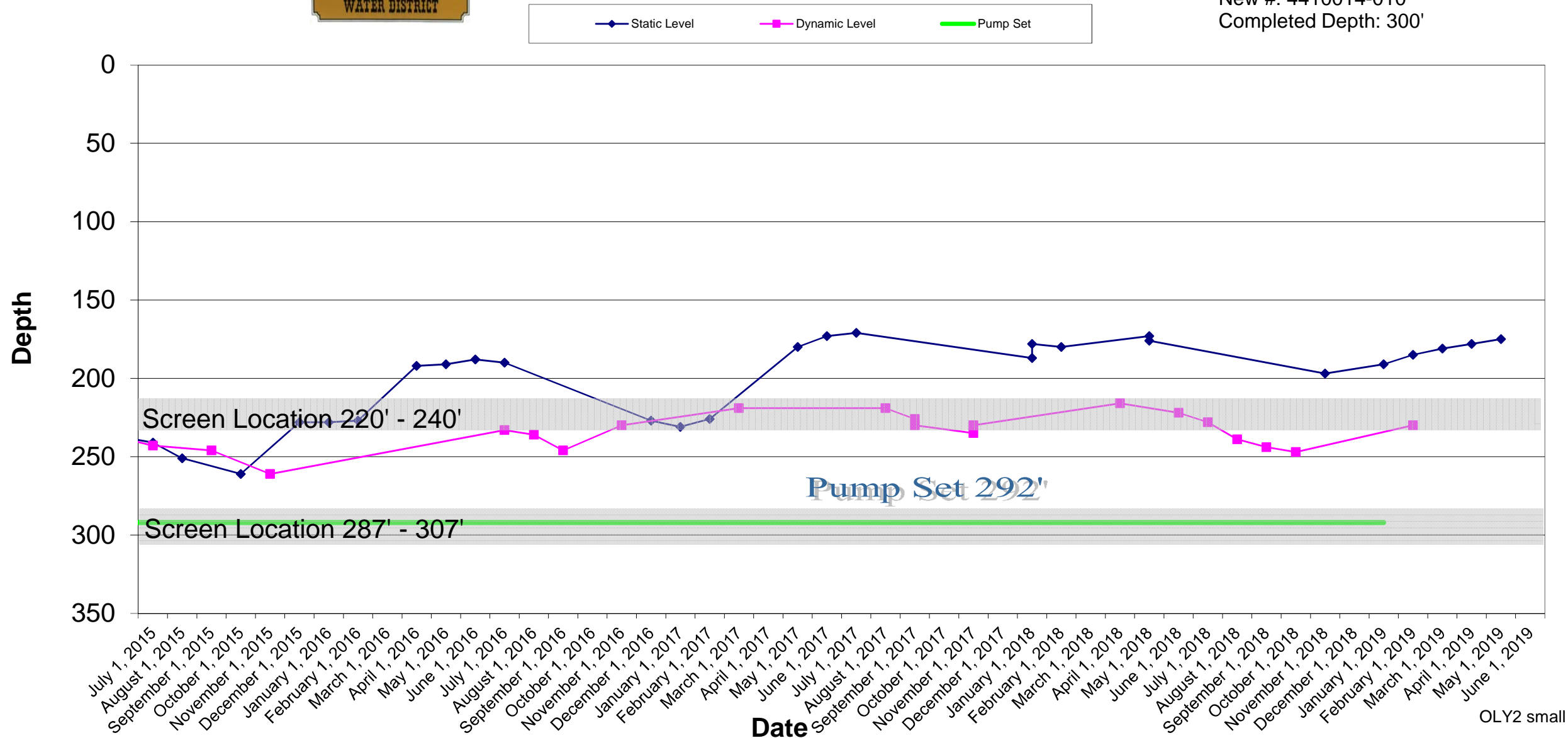


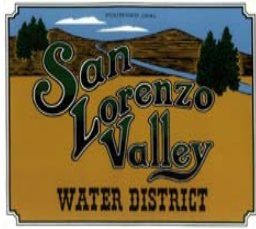
# SAN LORENZO VALLEY WATER DISTRICT

## Well Drawdown Report

### Olympia 2

Location: 7701 E. Zayante Rd.  
Elevation: 525'  
Installed: April 28, 1980  
State Well #:10S/O2W-11P01  
New #: 4410014-010  
Completed Depth: 300'



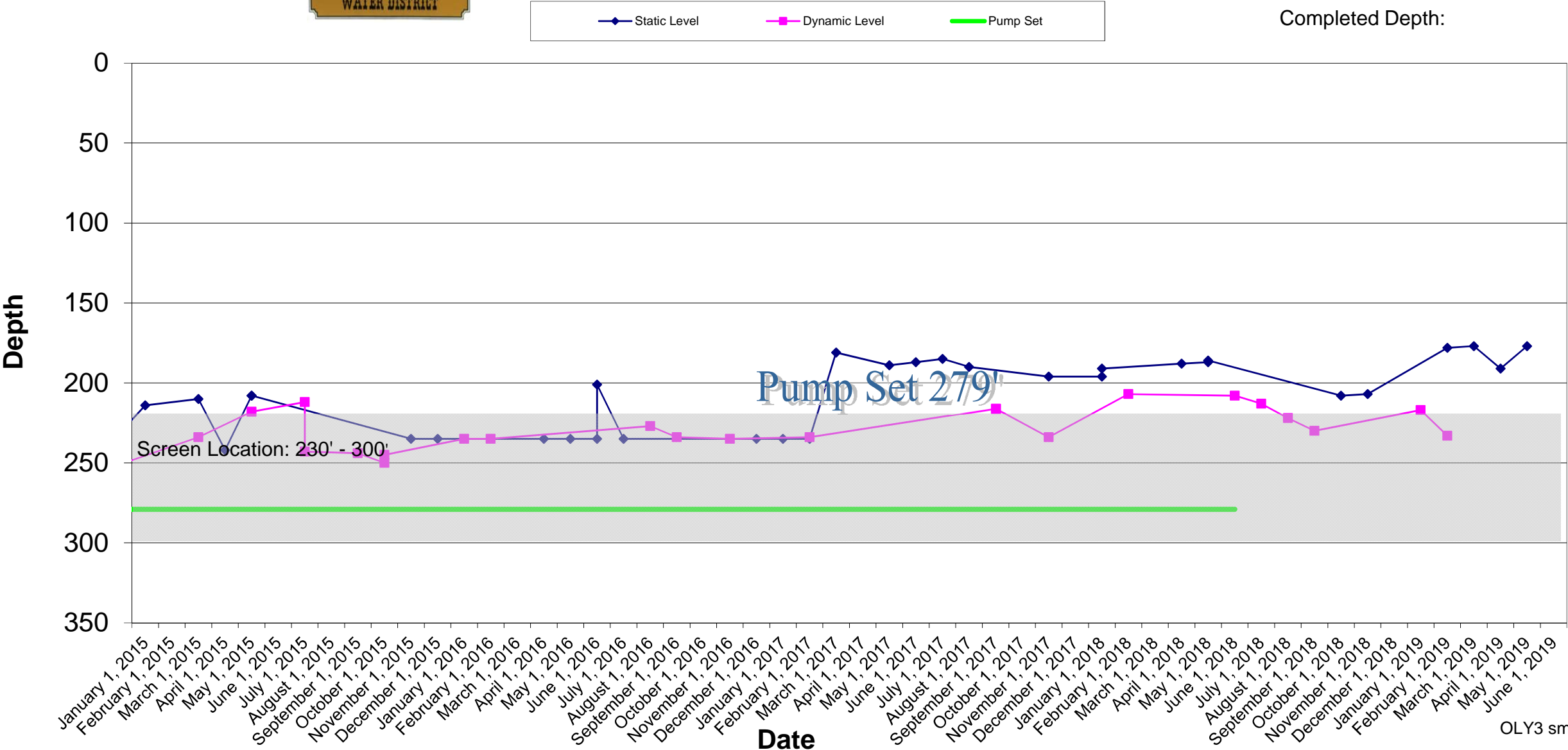


# SAN LORENZO VALLEY WATER DISTRICT

## Well Drawdown Report

### Olympia 3

Location: 7701 E. Zayante Rd  
Elevation: 538' Mean Sea Level  
Installed: 8-15-90  
State Well #: 4410014-022  
Completed Depth:



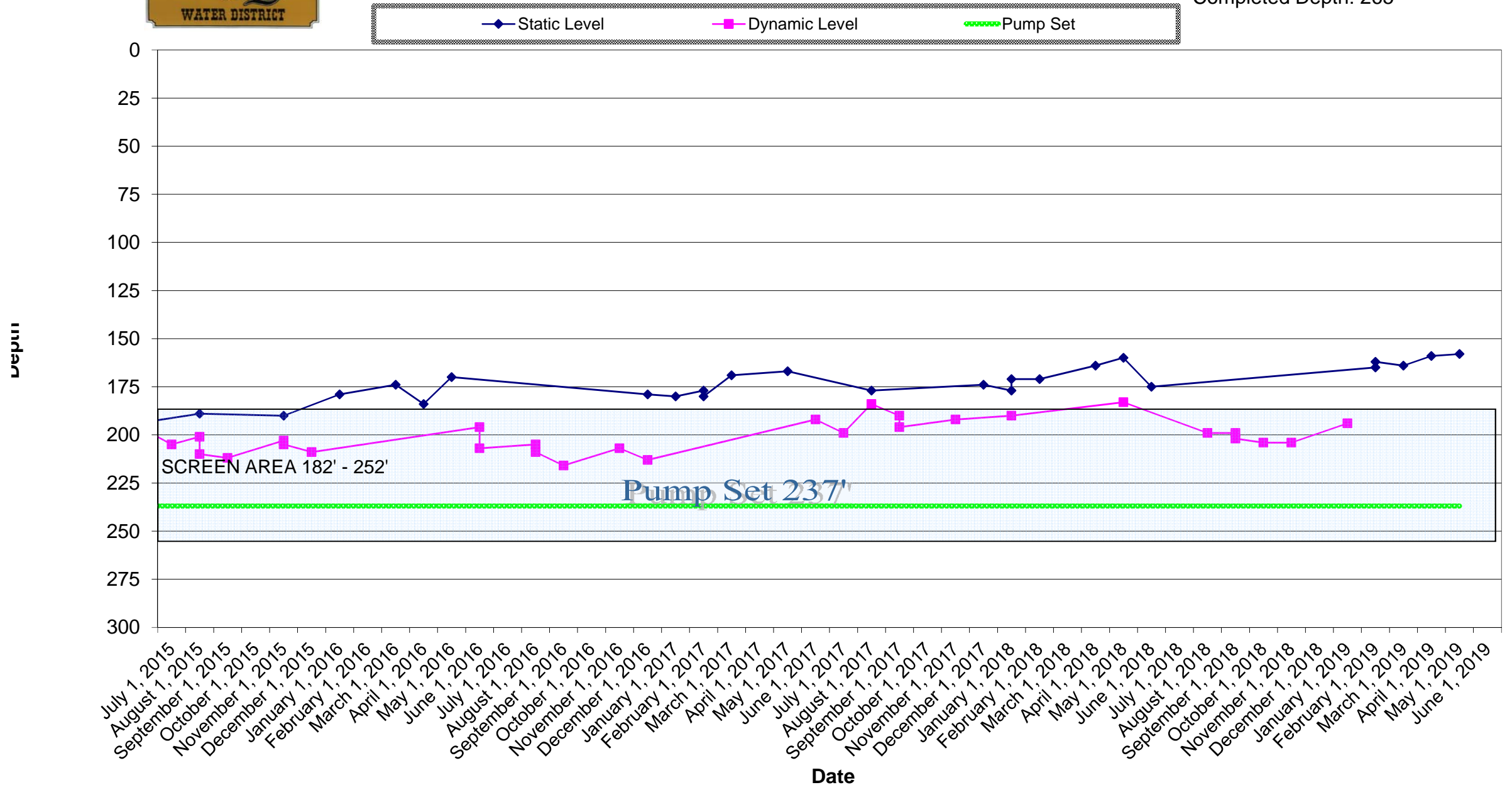


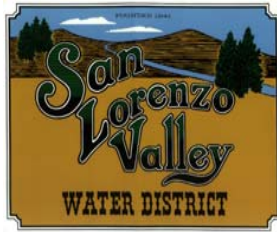
# SAN LORENZO VALLEY WATER DISTRICT

## Well Drawdown Report

### Quail Well 4-A

Location: Cumora Ln. Ben Lomond  
Elevation: 596.54 ft @ Pad  
Installed: 6-07-2001  
State Well #: 4410014-026  
Completed Depth: 265



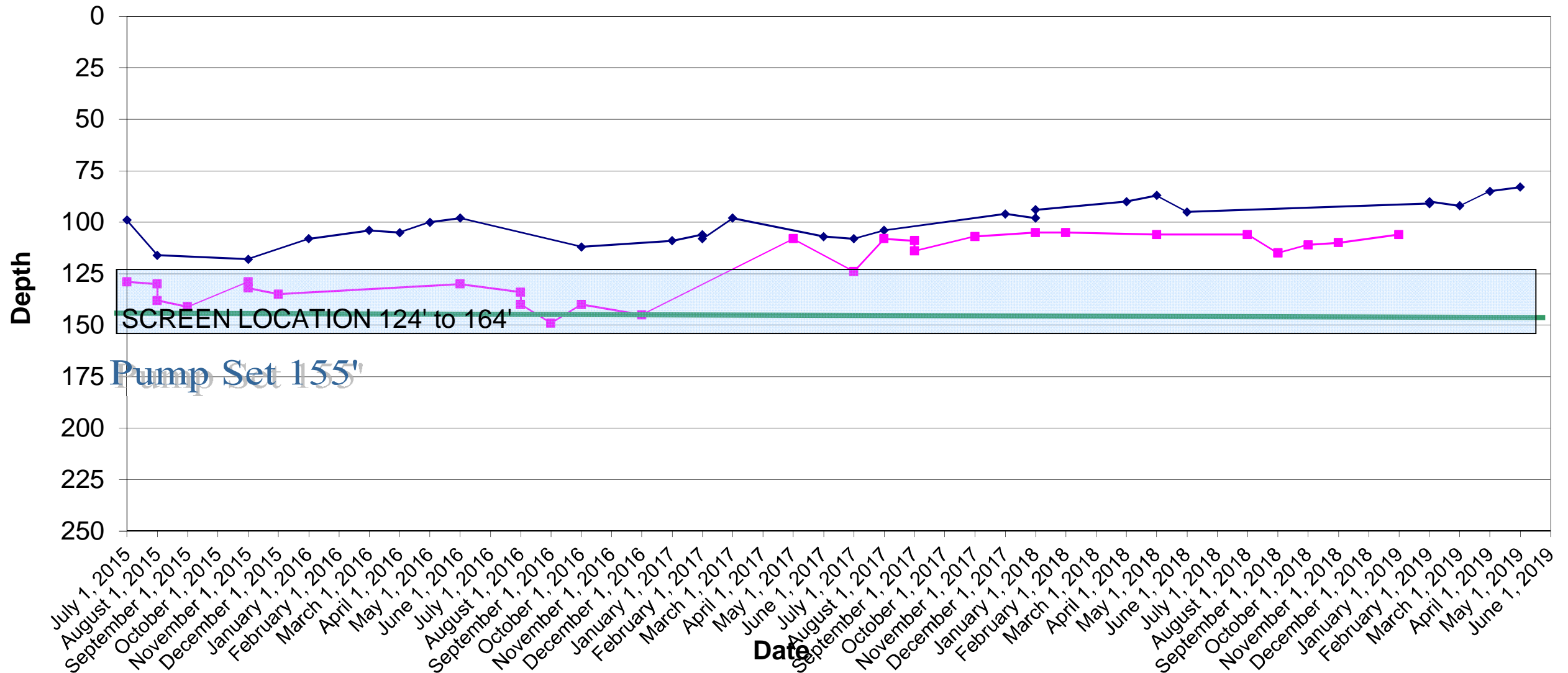
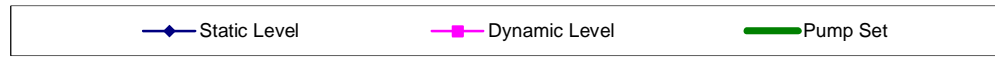


# SAN LORENZO VALLEY WATER DISTRICT

## Well Drawdown Report

### Quail Well 5-A

Location: 1161 Quail Hollow Rd.  
Ben Lomond  
Elevation: 517.65 ft. @ Pad  
Installed: March 2000  
State Well #: 4410014-025  
Completed Depth: 174'

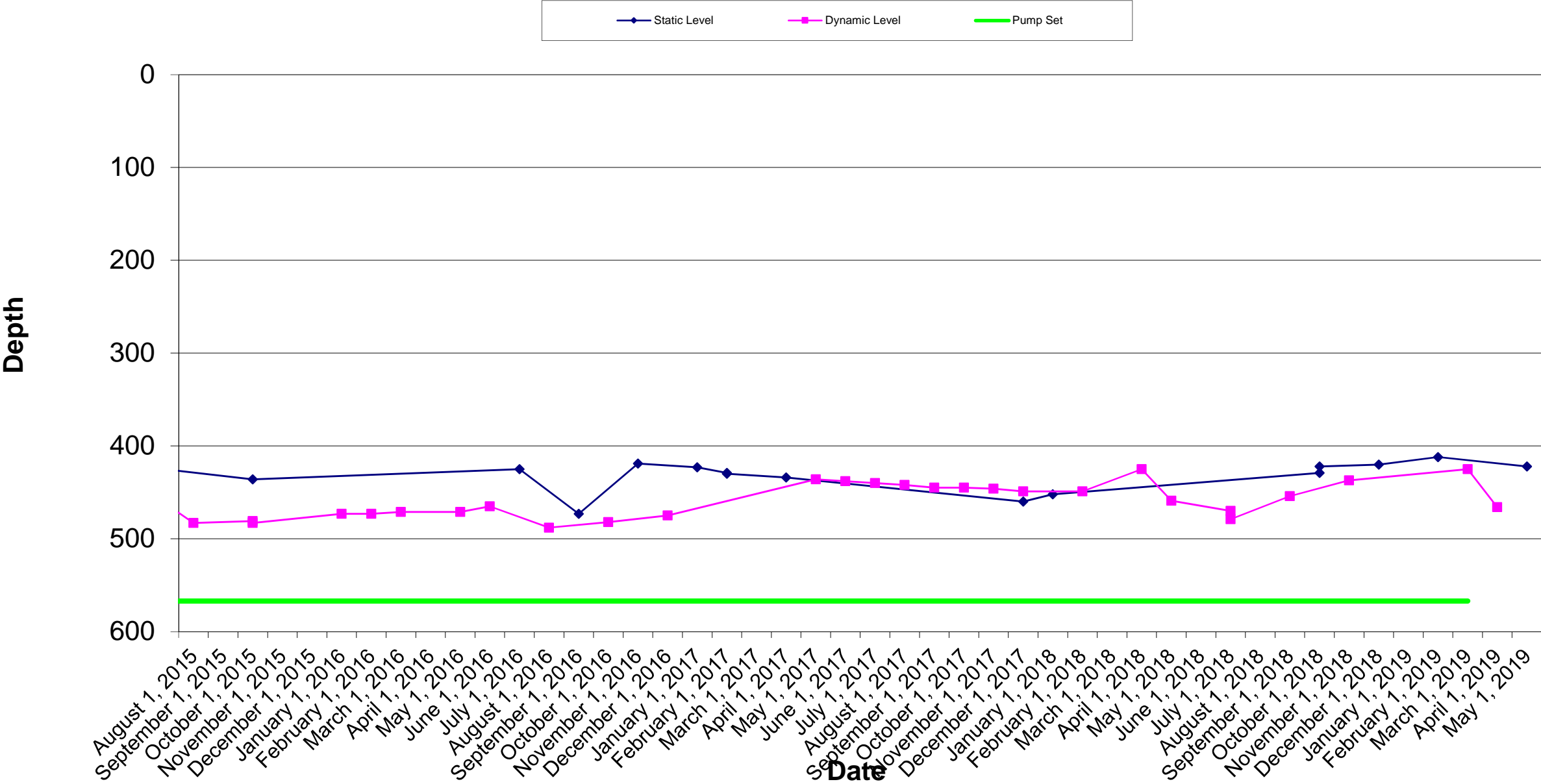






**SAN LORENZO VALLEY WATER DISTRICT**  
**Well Drawdown Report**  
**Pasatiempo 5-A**

Location: So. Of 3650 Graham Hill Rd  
Elevation: 752'  
Installed 1-1-14  
State Well #:4410014-014  
Completed Depth: 710'



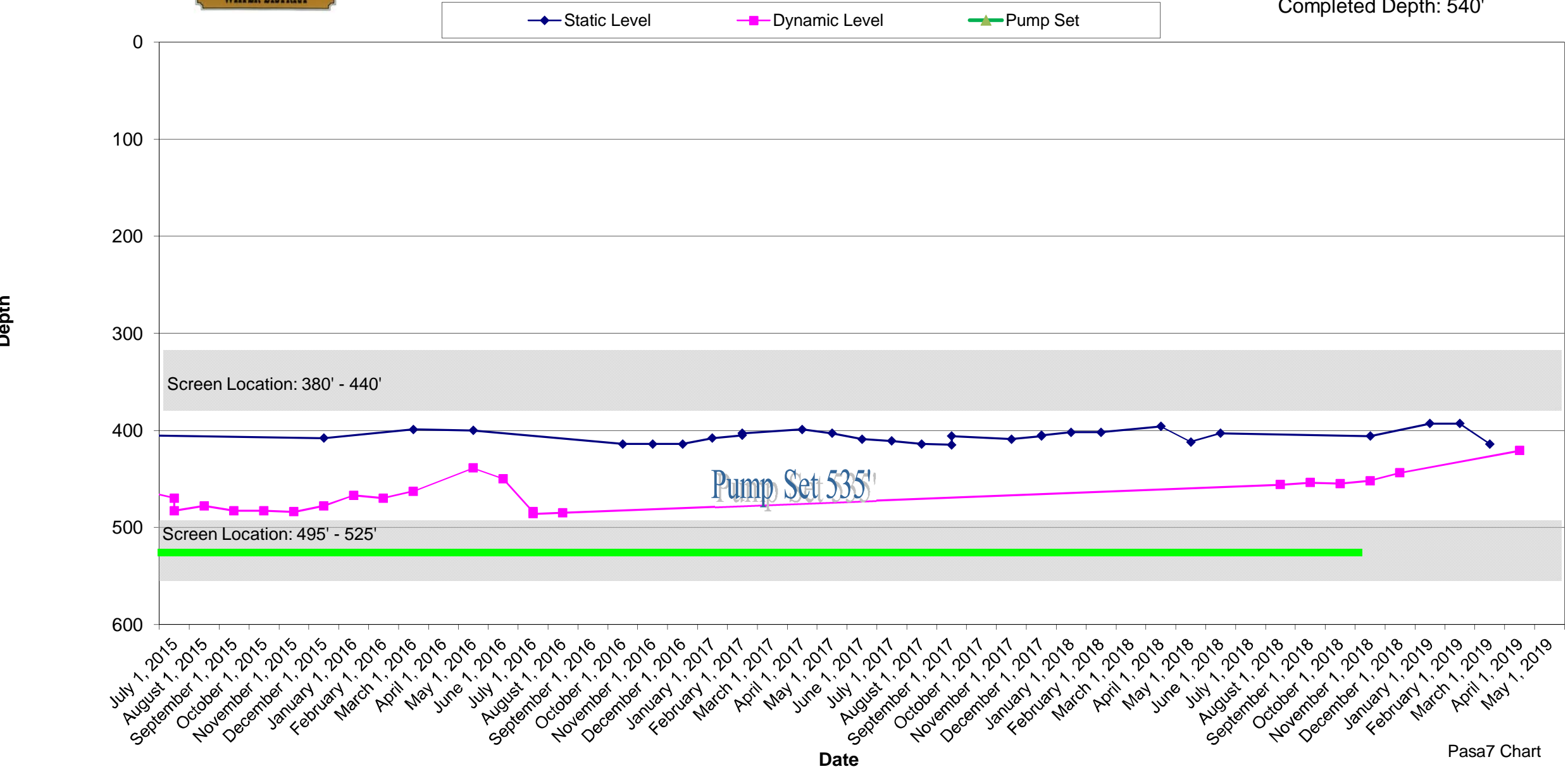


# SAN LORENZO VALLEY WATER DISTRICT

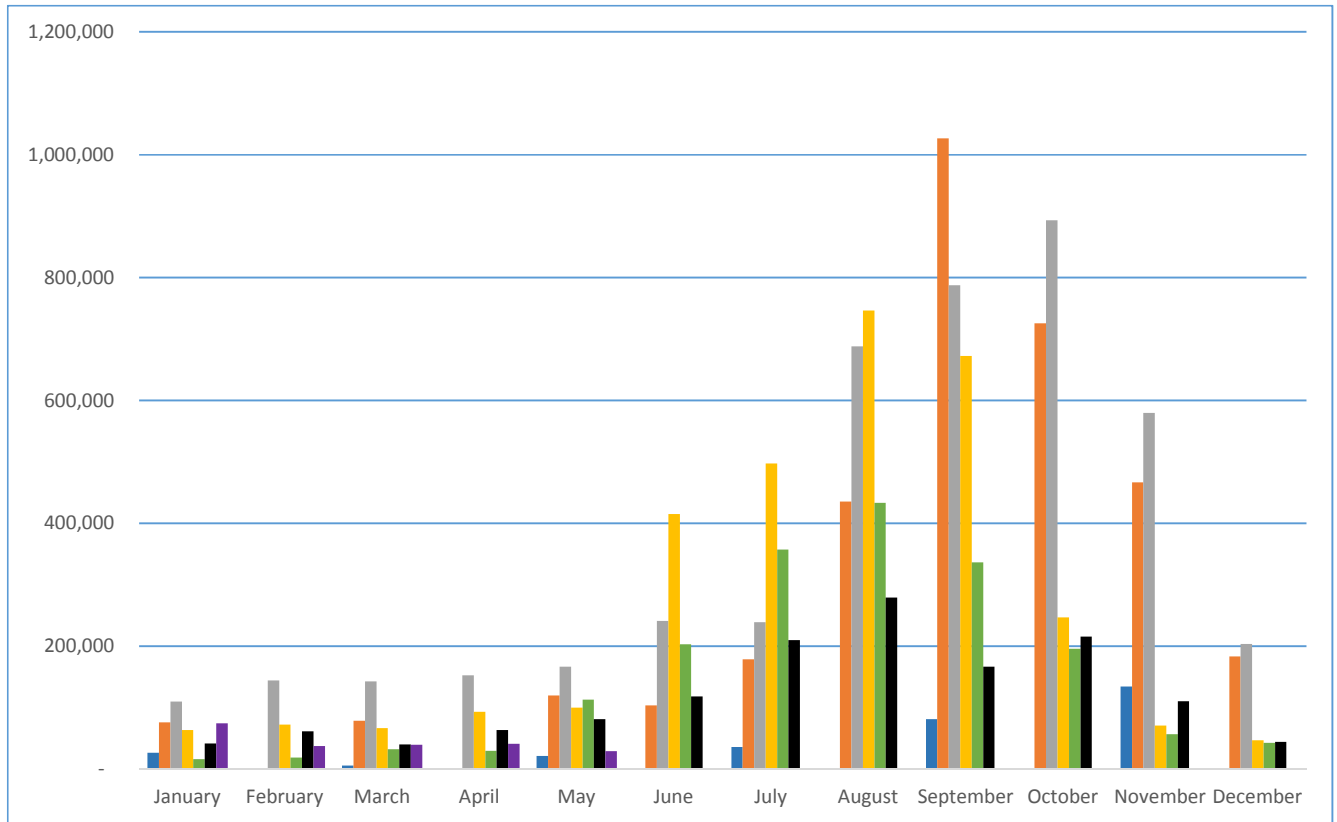
## Well Drawdown Report

### Pasatiempo 7

Location: South of Probation  
Center  
Elevation: 734' MSL  
Installed: July 21, 1990  
State Well #: 4410014-024  
Completed Depth: 540'



**SAN LORENZO VALLEY WATER DISTRICT**  
**BULK WATER SALES**  
**GALLONS**  
**May 2019**



<u>Month</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
January	26,928	76,296	109,965	63,850	16,456	41,888	74,800
February			144,364	72,556	18,700	61,366	37,400
March	5,984	78,540	142,868	66,572	32,164	40,392	39,644
April			152,592	93,500	29,920	63,580	41,140
May	21,692	119,680	166,804	100,232	112,948	81,532	29,172
June		103,972	240,983	415,140	203,179	118,184	
July	35,904	178,772	239,360	497,420	357,544	210,188	
August		435,336	688,160	746,504	433,092	279,004	
September	81,352	1,026,256	787,644	672,183	336,570	166,804	
October		725,560	893,112	246,840	195,976	215,424	
November	134,640	466,752	579,700	71,060	56,848	110,704	
December		183,260	203,456	47,124	42,636	44,132	
<b>Totals</b>	<b>306,500</b>	<b>3,394,424</b>	<b>4,349,008</b>	<b>3,092,981</b>	<b>1,836,033</b>	<b>1,433,198</b>	<b>222,156</b>

SAN LORENZO VALLEY WATER DISTRICT  
MONTHLY LEAK REPORT  
MAY 2019

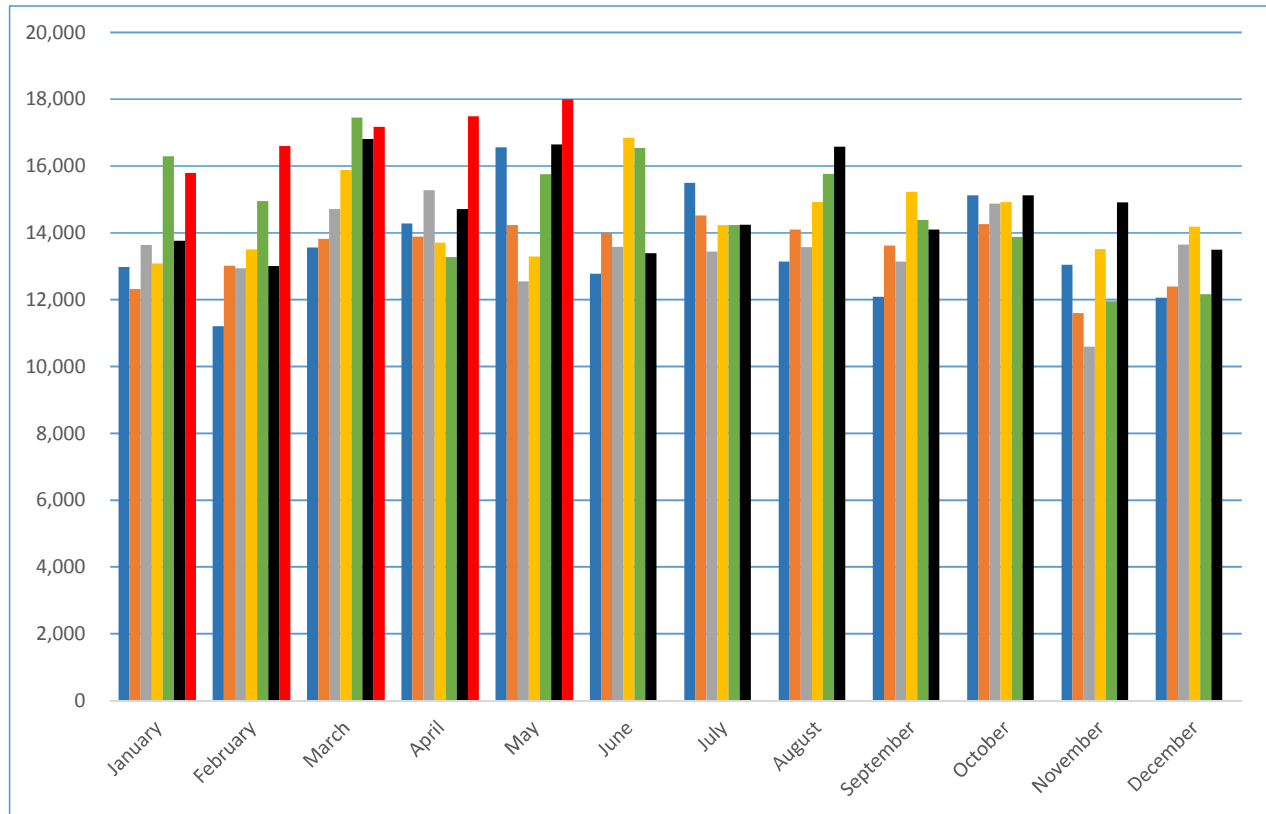
Leak Type	Location - NORTH SYSTEM	Town	Gallons Lost
400 MAIN LEAKING	LOVECREEK RD. & SUNNYSIDE AVE.	BEN LOMOND	300
400 MAIN LEAKING	135 SCENIC WAY	BEN LOMOND	14,400
400 MAIN LEAKING	1513 JACKSON	BEN LOMOND	5,400,000
400 MAIN LEAKING	514 PRIMAVERA RD	BOULDER CREEK	500
400 MAIN LEAKING	13089 HWY 9	BOULDER CREEK	4,320
400 MAIN LEAKING	460 RIVERVIEW DR.	BOULDER CREEK	5,760
400 MAIN LEAKING	BAND RD	BOULDER CREEK	7,200
400 MAIN LEAKING	HWY 9 & WESTERN	BOULDER CREEK	8,640
400 MAIN LEAKING	230 APPLE KNOLL	BOULDER CREEK	50,400
400 MAIN LEAKING	13181 LAUREL ST	BOULDER CREEK	64,800
400 MAIN LEAKING	13330 IRWIN WAY	BOULDER CREEK	108,000
400 MAIN LEAKING	160 SHADY LANE	BOULDER CREEK	10,080
400 MAIN LEAKING	300 OLD RIVER LANE	BROOKDALE	604,800
Total North			6,279,200
FELTON SYSTEM			
400 MAIN LEAKING	MAIN LEAK ON RUSSLE	FELTON	17,280
Total Felton			17,280
LOMPICO			
Total Lompico			-
SCOTTS VALLEY			
Total Scotts Valley			-
Total All Systems			6,296,480

				Water Quality Complaint List						
Date Received	Type Of Complaint							Address	Conclusion	System
	Taste/ Odor	Color	Turbidity/ Particles	Worms/ Other Visible Organisms	Pressure (High/Low)	Illness (Waterborne)	Other (Specify)			
5/16/2019		X					Customer complained of discolored water.	7515 E. Zayante Rd	Upon investigation by SLVWD staff water quality results appeared to be normal and within range after flushing customers service line. Free chlorine was 0.8 mg/L, the water was visually running clear and field turbidy was 2.6 NTU. In addition, a field iron sample was analyzed and the result was approximately 0.1 mg/L. Customer will call back if problem returns.	SLVWD-North
5/17/2019		X					Customer complained of discolored water.	295 Moon Meadow Ln	Upon investigation by SLVWD staff water quality results appeared to be normal and within range at customers front hose bib. Free chlorine was 0.9 mg/L, and the water was visually running clear . In addition, a field iron and manganese sample was analyzed and the results were approximately 0.3 mg/L for Iron and 'non detect for manganese. Customer will call back if problem persists.	SLVWD-North
5/22/2019			X				Customer reported black particles found in hot water on kitchen sink.	13185 Pine St	Upon investigation by SLVWD staff, water quality results appeared normal and within range at customers outside hose bib. No particles were observed, free chlorine was 0.9 mg/L and a bacteriological sample collected was absent of coliform bacteria. Customer had collected a sample of black particles found in hot water. Upon further investigation, black particles were determined to be a deteriorating rubber gasket. Customer was advised to replace gasket on kitchen sink and was satisfied with results.	SLVWD-North
5/24/2019		X					Customer reported discolored water in bathtub faucet.	501 Bahr Dr	Upon investigation by SLVWD staff, water quality results appeared normal and within range at customers outside hose bib: free chlorine was 1.1 mg/L, field turbidity was 1.0 NTU and the water ran visually clear. Attempted to contact customer with results of investigation mutiple times, but customer was unable to be reached.	SLVWD-North

# SAN LORENZO VALLEY WATER DISTRICT

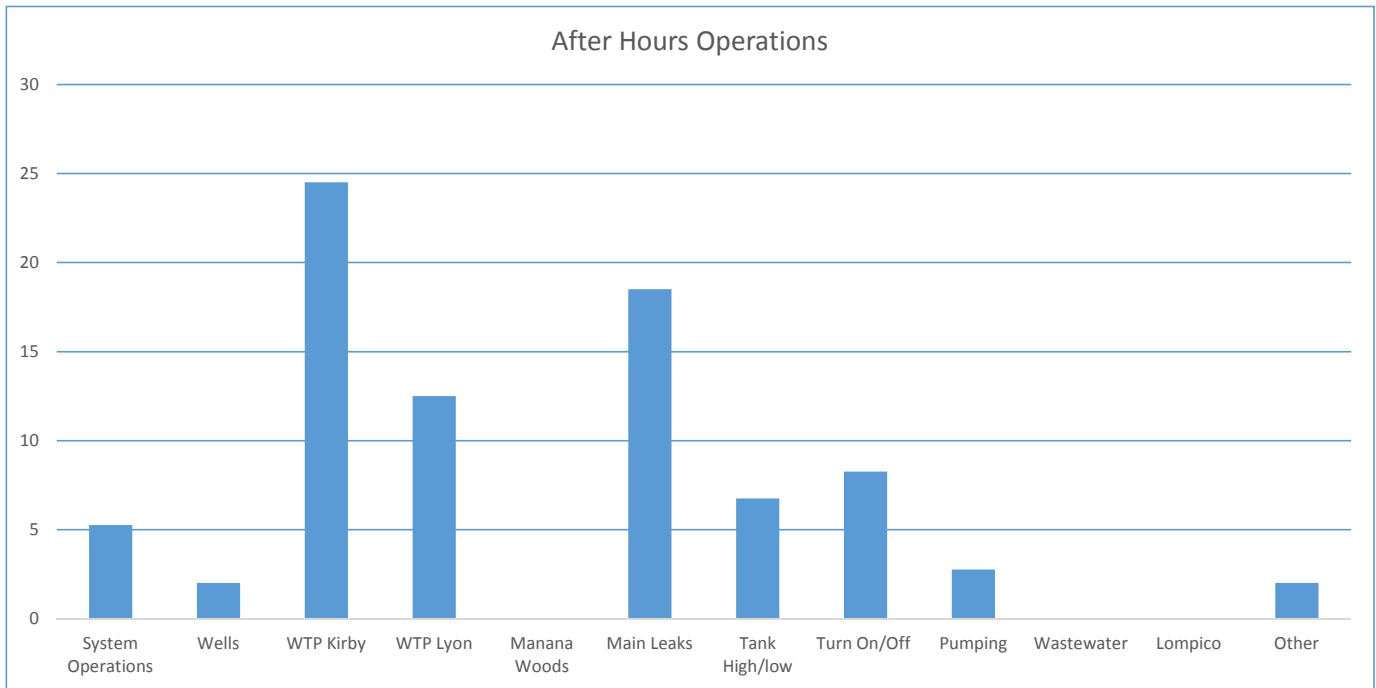
## VEHICLE MILEAGE

### May 2019



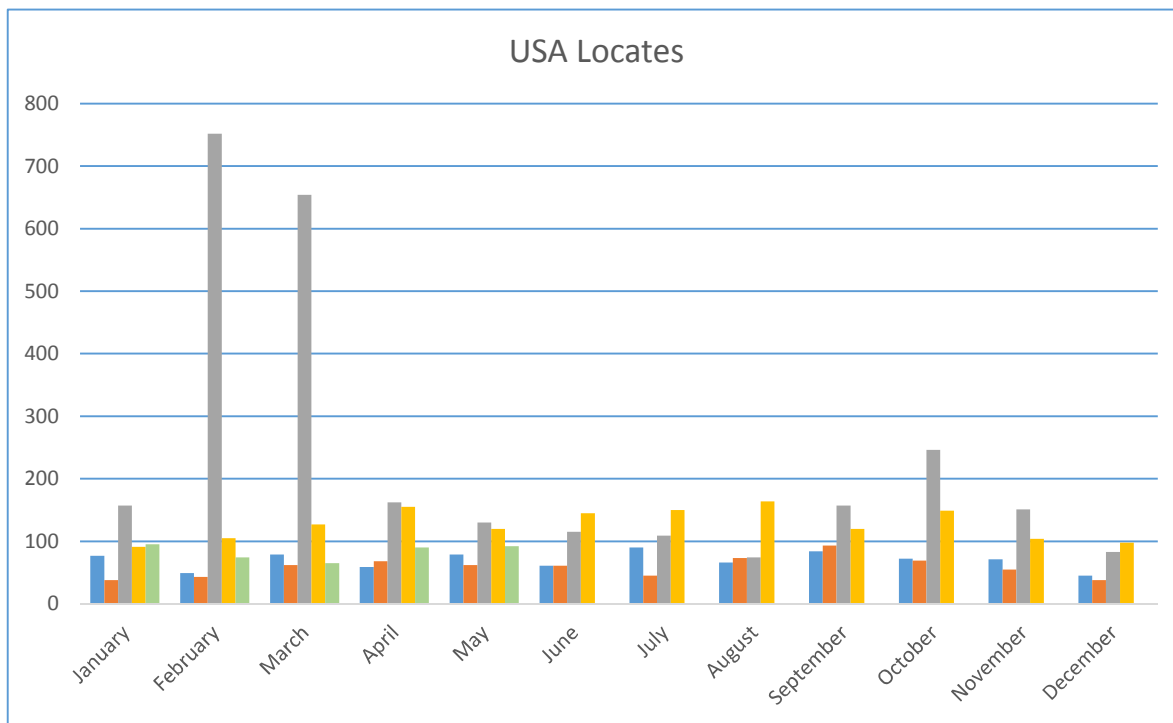
<u>Month</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
January	12,976	12,317	13,633	13,082	16,286	13,763	15,790
February	11,201	13,015	12,934	13,505	14,945	13,003	16,599
March	13,558	13,817	14,714	15,882	17,451	16,809	17,167
April	14,283	13,883	15,279	13,704	13,270	14,711	17,488
May	16,560	14,228	12,550	13,290	15,757	16,646	17,998
June	12,780	14,000	13,582	16,841	16,534	13,390	
July	15,497	14,519	13,441	14,228	14,229	14,242	
August	13,136	14,096	13,569	14,923	15,761	16,576	
September	12,087	13,622	13,137	15,229	14,388	14,094	
October	15,120	14,261	14,868	14,924	13,880	15,126	
November	13,046	11,594	10,591	13,510	11,952	14,908	
December	12,060	12,394	13,648	14,187	12,158	13,492	
Totals	162,304	161,746	161,946	173,305	176,611	176,760	85,042

**SAN LORENZO VALLEY WATER DISTRICT**  
**OPERATIONS DEPARTMENT**  
 May 2019



<u>Description</u>	<u>Hours</u>		<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
System Operations	5.25	January	N/A	145.00	280.75	90.50	96.50
Wells	2	February	N/A	86.50	192.25	72.00	180.00
WTP Kirby	24.5	March	N/A	153.75	105.75	80.25	106.25
WTP Lyon	12.5	April	82.50	72.00	128.75	156.75	76.25
Manana Woods	0	May	104.75	49.25	132.75	105.5	82.5
Main Leaks	18.5	June	172.50	83.25	112.75	89.00	
Tank High/low	6.75	July	124.25	80.25	162.00	145.25	
Turn On/Off	8.25	August	111.75	81.25	141.25	134.5	
Pumping	2.75	September	230.25	175.00	201.25	155.25	
Wastewater	0	October	128.25	78.50	104.00	111.5	
Lompico	0	November	114.25	96.25	122.50	197.5	
Other	2	December	186.25	130.75	134.00	220.25	
<b>Total</b>	<b>82.5</b>		<b>1254.75</b>	<b>1231.75</b>	<b>1818.00</b>	<b>1558.25</b>	<b>541.50</b>

**SAN LORENZO VALLEY WATER DISTRICT**  
**OPERATIONS DEPARTMENT**  
 May 2019



<u>Month</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
January	77	38	157	91	95
February	49	43	752	105	74
March	79	62	654	127	65
April	59	68	162	155	90
May	79	62	130	120	92
June	61	61	115	145	
July	90	45	109	150	
August	66	73	74	164	
September	84	93	157	120	
October	72	69	246	149	
November	71	55	151	104	
December	45	38	83	98	
<b>Total to Date</b>	<b>832</b>	<b>707</b>	<b>2,790</b>	<b>1528</b>	<b>416</b>

